AD-A284 544

System Quality Consultants, Inc.   N00014-94-C-2063

TECHNICAL STATUS REPORT
FOR THE PERIOD ENDING MAY 15, 1994

Executive Summary

During this month's reporting period, SQC continued to provide project management to the Backgrounds Data Center (BDC). In addition to the Project Manager, SQC provided management of the Software Development, Project Support, and Specification and Test efforts. The most significant event that occurred is the continuation of MSX Data System Test (DST) 3.6.

Task 1--Project Management Support

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Abstract

This task requires SQC to provide risk management analysis, software cost estimates, procurement strategies, program office organization and staff planning, schedule and resource allocation planning, program planning and documentation, project control system accounting and training.

Work Performed During APR 94/MAY 94

Provided additional input for FY95 MSX budget.

Provided Specification & Test, Software Development, and Project Support Office input to MSX project GANTT charts for scheduling and resource allocation planning.

Provided Specification & Test, Software Development, and Project Support Office input to the monthly MSX and Core status reports. (5.0)

Provided Training of BDC staff on how to transfer Interface Control Documents (ICDs) both internally and externally using File Transfer Protocol (FTP).

Anticipated Activities During MAY 94/JUN 94

Continue efforts to develop and establish budgets for FY95.

Plan and establish new facilities allocations.

Continue the production of schedules.

Task 2--Management Plan Development

Abstract

This task requires SQC to develop and present program management plans, software development plans, configuration management plans, quality assurance plans, test plans, and independent verification and validation plans for use on Naval Research Laboratory's (NRL) programs.

Work Performed During APR 94/MAY 94

Managed the production of a draft BDC ADP Contingency Plan.

Managed the production of a draft BDC User's Guide.

Managed the effort to analyze and solve problems during DST 3.6.

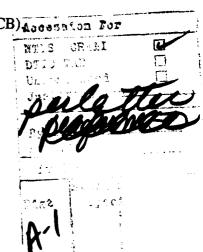Managed two software builds and installations necessary to conduct DST 3.6.

Rescheduled software tasking and made appropriate staffing assignments.

Prepared and distributed configuration status accounting reports.

Chaired 10 meetings of the Configuration Control Board (CCB).

Anticipated Activities During MAY 94/JUN 94

Manage corrections to software problems.

Manage a new software build and installation to allow the completion of DST 3.6 and the running of DST 4.2.

Complete the draft ADP Contingency Plan.

Complete the draft BDC User's Guide.

Complete an updated draft revision of the BDC Configuration Management Plan (CMP).

Complete an updated draft revision of the BDC Archive Management Plan (AMP).

Chair CCBs as required.

Task 3--Detailed Process Development

Abstract

This task requires SQC to develop and present processes (process flow diagrams, step-by-step procedures, quality assurance procedures, and quality checklists) to be used on NRL programs.

Work Performed During APR 94/MAY 94

Updated draft PFD for the Configuration Item Receipts.

Performed walk-throughs of three OCM desktop procedures.

Anticipated Activities During MAY 94/JUN 94

Review updated draft PFD for the Configuration Item Receipts.

Initiate development of detailed step-by-step procedures for the Configuration Item Receipt procedure.

Task 4--Requirements Development

Abstract

This task requires SQC to meet with NRL scientists, users, customers, and others identified by the Contracting Officer's Technical Representative to document project requirements. SQC is required to do ... requirements in Type A and Type B specifications. The requirements are to provid program managers with capability for product assessment through analysis and testing of performance parameters. SQC is to determine performance requirements and demonstrate satisfaction through testing.

Work Performed During APR 94/MAY 94

Completed the requirements for BDC support of RAIDS and signed working agreement with the NRL RAIDS Program Manager.

Circulated BDC to MDDC ICD and obtained sign off within the BDC.

Obtained Data Management approval of BDC to PDC ICD.

Received comments on second draft ICD from a SDAC.

Created a master red-line copy of each FRD incorporating proposed requirements changes as a result of DST 3.6.

Anticipated Activities During MAY 94/JUN 94

Complete agreement with RAIDS Program Management, and commence work on RAIDS.

Review and update the red-line master FRDs.

Receive MDDC and DM approval for the BDC to MDDC ICD and release it through CM.

Incorporate SDAC comments into the ICD, circulate for review and obtain approvals.

Revise BDC to EMDAC and BDC to OSDP ICDs and circulate for review.

Distribute any incoming ICDs for internal BDC review and coordinate the BDC review response to the originating organization.

Task 5--Documentation Review

Abstract

This task requires SQC to review documents prepared by NRL contractors in a variety of activities for compliance with relevant established standards, development plans, and management plans and to provide comments and recommendations to NRL. The task also requires SQC to perform technical reviews and audits (formal design reviews, informal reviews, and administrative reviews) on NRL's contractor developed hardware, software, facilities, and management documents.

Work Performed During APR 94/MAY 94

Reviewed the draft operating procedure for penthouse operations.

Anticipated Activities During MAY 94/JUN 94

None reported this period.

Task 6--Technical Information Preparation and Presentation

Abstract

This task requires SQC to prepare and provide formal and informal state-of-the-art techniques presentations in Project and Process Management disciplines.

Work Performed During APR 94/MAY 94

Participated in MSX Data Management Technical Interchange Meeting (TIM).

Met with and held technical discussions with representatives from MSX Data Management.

Developed a briefing on BDC Configuration Management.

Anticipated Activities During MAY 94/JUN 94

Present a briefing on BDC Configuration Management.

Meet for additional presentations and discussions with MSX Data Management.

Task 7--Formal Test Case and Test Procedure Development and Execution

Abstract

This task requires SQC to develop and execute detailed test cases and procedures designed to validate designated developed products prior to their being declared operational. The testing must demonstrate that all system elements satisfy NRL requirements. SQC must also verify that testing spans the overall acquisition cycle.

Work Performed During APR 94/MAY 94

Managed and provided guidance for the preparation of formal test cases to test the MSX Program Catalog (78 test cases).

Managed and coordinated the execution of Data System Test (DST) 3.6. The Specification & Test team, under SQC's management, acted as the central repository for problem reporting and resolution - both internally at the BDC and externally between the other participating MSX data organizations. (4.7, 4.7.2)

Anticipated Activities During MAY 94/JUN 94

Continue development of test cases, test case descriptions, and test procedures.

Complete DST 3.6 and report results.

Plan and prepare for DSTs 3.7 and 4.2.